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| APPLICATION NO | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO |
|--|--|----------------------|----------------------|-----------------|
| 09/966,754 | 10/01/2001 | Boaz Eitan | P-1164-US2 | 3708 |
| | 7590 08 12 2003 | an appen i i p | | |
| EITAN, PEARL, LATZER & COHEN ZEDEK LLP | | | EXAMINER | |
| | 10 ROCKEFELLER PLAZA, SUITE 1001 NEW YORK, NY 10020 | | CHAUDHARI, CHANDRA P | |
| NEW TORK, | | | ART UNIT | PAPER NUMBER |
| | | | 2813 | |

DATE MAILED: 08/12/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) | | | |
|---|--|--|--|--|--|
| 1 | 09/966,754 | EITAN, BOAZ | | | |
| Office Action Summary | Examiner | Art Unit | | | |
| | Chandra Chaudhari | 2813 | | | |
| The MAILING DATE of this communication | appears on the cover sheet wi | th the correspondence address | | | |
| Period for Reply A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communicatior - If the period for reply specified above is less than thirty (30) days, and if NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by single and provided by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b). Status | DN. R 1.136(a). In no event, however, may a roll. a reply within the statutory minimum of third reply within the statutory minimum of third recovers the application to become AP to the course the application to become AP | eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. IANDONED (35 U.S.C. § 133). | | | |
| 1) Responsive to communication(s) filed on 27 May 2003. | | | | | |
| , | This action is non-final. | | | | |
| 3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims | | | | | |
| 4)⊠ Claim(s) <u>1,4,5 and 7-13</u> is/are pending in the application. | | | | | |
| 4a) Of the above claim(s) <u>13</u> is/are withdrawn from consideration. | | | | | |
| 5) Claim(s) is/are allowed. | | | | | |
| 6)⊠ Claim(s) <u>1, 4-5, 7-12</u> is/are rejected. | | | | | |
| 7) Claim(s) is/are objected to. | | | | | |
| 8) Claim(s) are subject to restriction a | nd/or election requirement. | | | | |
| Application Papers | | | | | |
| 9) The specification is objected to by the Examiner. | | | | | |
| 10) The drawing(s) filed on is/are a) | | | | | |
| Applicant may not request that any objection | | | | | |
| 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. | | | | | |
| If approved, corrected drawings are required in reply to this Office action. | | | | | |
| 12) The oath or declaration is objected to by the Examiner. | | | | | |
| Priority under 35 U.S.C. §§ 119 and 120 | | | | | |
| Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). | | | | | |
| a) ☐ All b) ☐ Some * c) ☐ None of: | المحادث والمحادث | | | | |
| 1. Certified copies of the priority documents have been received. | | | | | |
| 2. Certified copies of the priority documents have been received in Application No | | | | | |
| 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | | |
| 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). | | | | | |
| a) ☐ The translation of the foreign languag | e provisional application has l | peen received. | | | |
| Attachment(s) | | | | | |
| 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-94 3) Information Disclosure Statement(s) (PTO-1449) Paper N | (8) 5) Notice o | v Summary (PTO-413) Paper No(s) f Informal Patent Application (PTO-152) | | | |

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The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1, 4-5, 7-12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

There is no support in the specification for "charge localization".

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 4-5, 7-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Aloni – US 6,346,442.

See reasons of record in paper # 15, 02/27/03.

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Applicant's arguments filed on February 27, 2003 have been fully considered but they are not persuasive.

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Aloni clearly states that the middle nitride layer 462 functions as a charge storage or charge trapping region, and the top oxide layer promotes charge retention in the nitride layer 462 during operation as well as improving charge retention in a nitride layer of a memory cell. Although Aloni does not disclose oxygen to be introduced into substantially all of the nitride layer, the oxidation process he discloses to form the top oxide layer must necessarily introduce oxygen because the thicknesses of the bottom oxide layer, deposited nitride layer, and the top oxide layer are all within the ranges which are in claims 8-11 (as in applicant's specification on pages 7-8). In fact, Aloni also states that the top oxide may be produced by deposition as applicant's specification shows at page 7, lines 23-24.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chandra Chaudhari whose telephone number is 703-308-1095. The examiner can normally be reached on Mon Tue Thu Fri (7:30-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead Jr. can be reached on 703-308-4940. The fax phone number for the organization where this application or proceeding is assigned is 703-308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Chandra Chaudhari Primary Examiner Art Unit 2813

C. Chardkari Chandra Chaudhari

August 8, 2003